

**UPPER MISSISSIPPI RIVER BASIN**

**05200510 MISSISSIPPI RIVER NEAR BEMIDJI, MN**

LOCATION.--Lat 47° 29'00", long 94° 43'40", in SE¼SW¼ sec. 3, T.146 N., R.32 W., Beltrami County, Hydrologic Unit 07010101, 3.5 mi east of Bemidji on right bank 100 ft upstream of County Highway 12 and 400 ft downstream from Stump Lake dam.

DRAINAGE AREA.--610 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--September 1987 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 1,315 ft above sea level from topographic map.

REMARKS.--Records good except those for estimated daily discharge, which are fair.. Flow regulated by Stump Lake dam upstream from station.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997**

**DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP							
1	109	---	---	---	---	---	329	739	e335
224	579	298							
2	137	---	213	---	---	---	329	721	e340
327	567	294							
3	128	---	---	---	---	---	329	e640	340
433	573	290							
4	112	---	---	---	---	---	330	e580	e390
501	537	248							
5	105	---	---	---	---	---	332	551	e380
503	531	225							
6	95	---	---	---	---	---	336	638	381
504	424	223							
7	97	---	---	---	---	---	417	e520	e370
896	334	219							
8	98	---	---	---	---	---	580	e630	e360
1260	319	210							
9	98	---	---	---	---	---	791	633	e355
1190	318	230							
10	144	---	---	---	---	---	887	e640	e350
980	325	228							
11	153	---	---	---	---	---	886	e650	e340
944	320	226							
12	141	---	---	---	---	---	945	658	332
1110	311	225							
13	137	---	---	104	---	---	1030	658	e270

1060	311	224							
14	132	---	---	---	---	---	1120	668	e230
1320	307	223							
15	159	---	---	---	---	---	1200	532	e190
1260	305	225							
16	183	---	---	---	---	---	1240	541	156
1250	305	221							
17	188	---	---	---	---	---	1260	416	140
1210	305	249							
18	197	---	---	---	---	---	1290	e400	98
1190	302	242							
19	189	---	---	---	---	---	1270	e380	96
1150	302	242							
20	189	---	---	---	---	---	1250	e360	93
1140	304	247							
21	177	---	---	---	---	---	1230	e340	91
1110	304	246							
22	176	---	---	---	---	---	1210	332	89
1030	301	246							
23	160	---	---	---	---	---	1170	e330	85
1040	299	244							
24	145	---	---	---	---	---	1150	e330	104
953	299	243							
25	---	---	---	---	---	---	1120	e330	166
950	275	237							
26	---	---	---	---	---	---	1080	e330	153
971	294	234							
27	---	---	---	---	---	329	1040	e330	132
958	307	234							
28	---	---	---	---	---	329	1010	e330	127
873	302	247							
29	---	---	---	---	---	329	809	332	151
736	301	262							
30	---	---	---	---	---	329	711	e330	159
600	301	270							
31	---	---	---	---	---	329	---	e330	---
599	298	---							
TOTAL	3449	---	213	104	---	1645	26681	15199	6803
28272	10860	7252							
MEAN	144	---	213	104	---	329	889	490	227
912	350	242							
MAX	197	---	213	104	---	329	1290	739	390
1320	579	298							
MIN	95	---	213	104	---	329	329	330	85
224	275	210							
AC-FT	6840	---	422	206	---	3260	52920	30150	13490
56080	21540	14380							
CFSM	.24	---	.35	.17	---	.54	1.46	.80	.37
1.50	.57	.40							
IN.	.21	---	.01	.01	---	.10	1.63	.93	.41
1.72	.66	.44							

o e Estimated

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1997, BY WATER YEAR (WY)**

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
JUL	AUG	SEP							
MEAN	179	---	---	---	---	242	372	416	226
280	195	194							
MAX	311	---	---	---	---	242	889	769	329
912	471	401							
(WY)	1995	---	---	---	---	1996	1997	1996	1993
1997	1993	1993							
MIN	75.5	---	---	---	---	242	148	181	104
62.2	61.9	62.3							
(WY)	1991	---	---	---	---	1996	1992	1992	1988
1988	1989	1990							

**SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1987 - 1997**

<i>SUMMARY STATISTICS</i>	<i>FOR 1996 CALENDER YEAR</i>	<i>FOR 1997 WATER YEAR</i>	<i>WATER YEARS 1987-1997</i>	
HIGHEST DAILY MEAN	1190	Apr 30	1320	Jul 14
Jul 14 1997				1320
LOWEST DAILY MEAN	88	Aug 19	85	Jun 23
Jul 12 1988				22
INSTANTANEOUS PEAK FLOW			1820	Jul 11
Jul 11 1997				1820
INSTANTANEOUS PEAK STAGE			5.98	Jul 11
Jul 11 1997				5.98